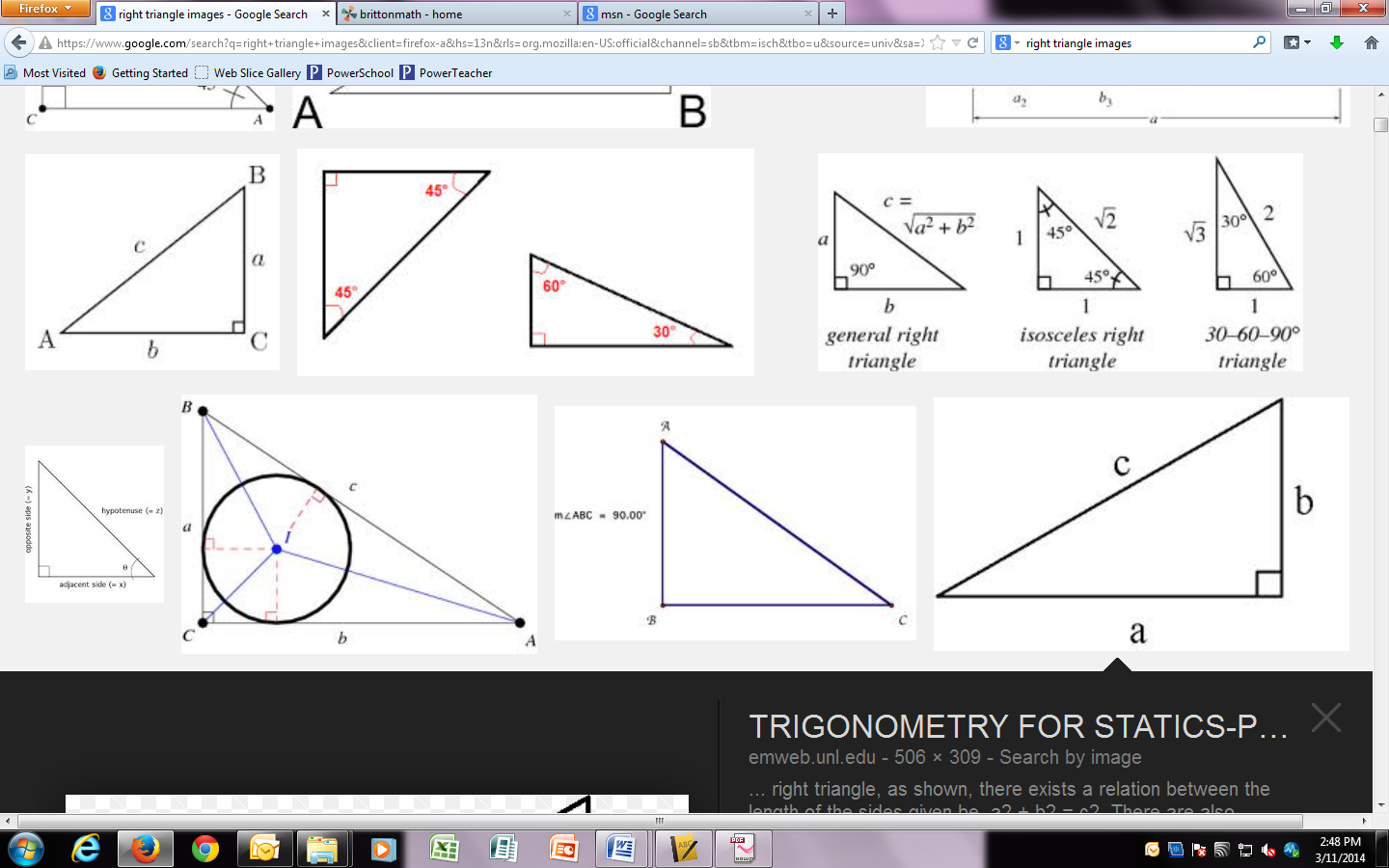
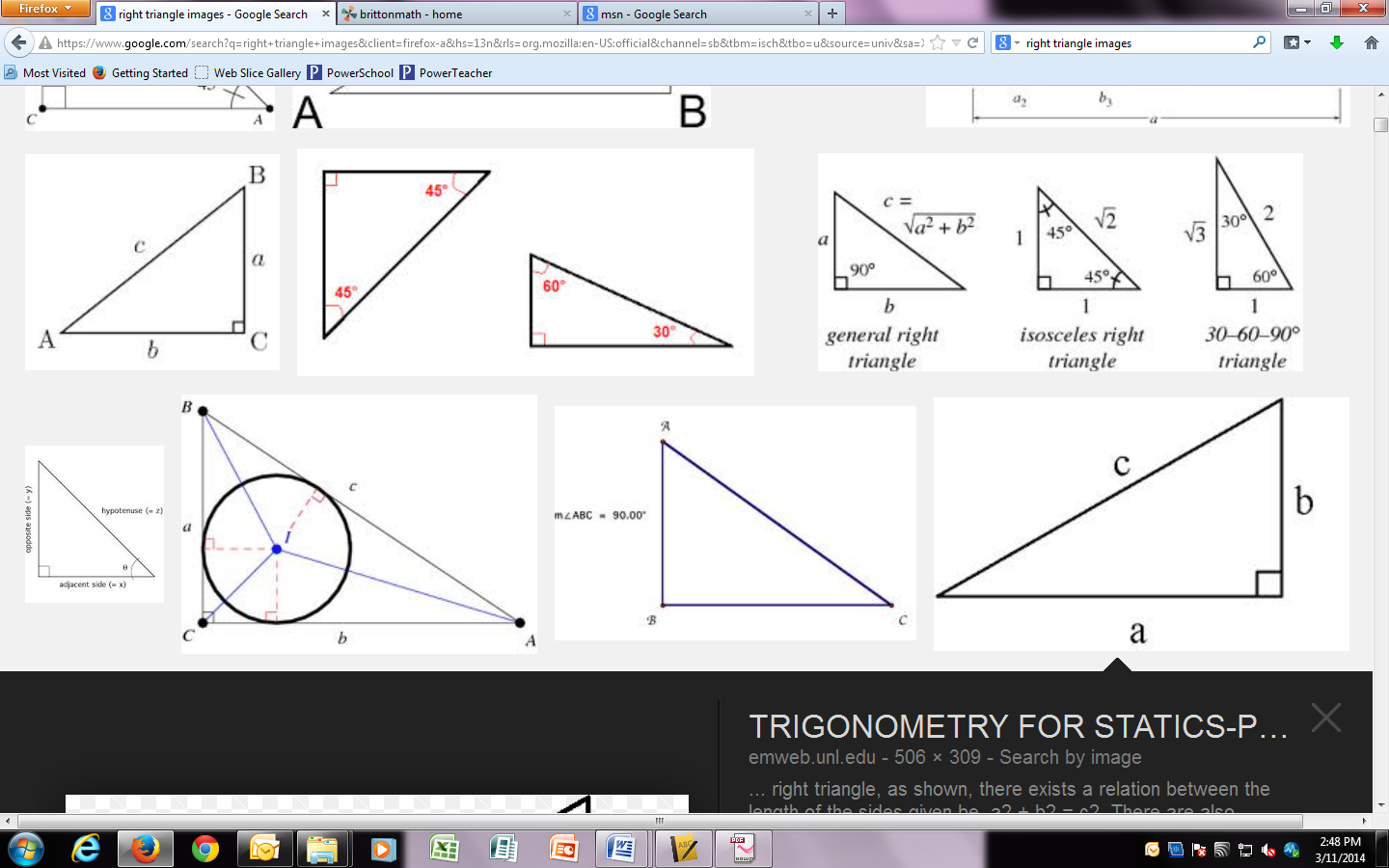
Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**PYTHAGOREAN THEOREM ASSESSMENT REVIEW**

**Find the missing side of each right triangle. Round your answer to the nearest hundredth.**

2.

1.

x

64

75

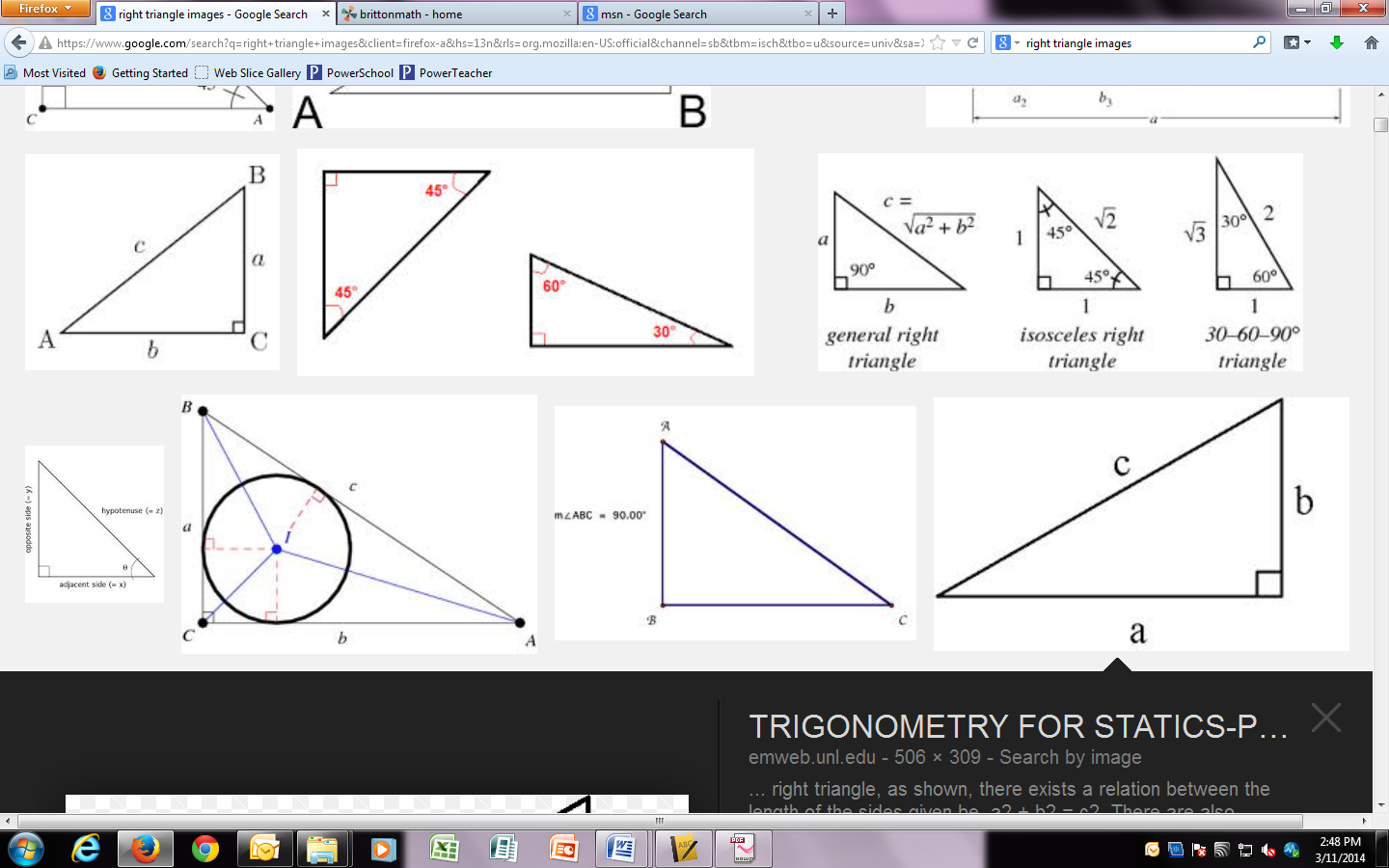
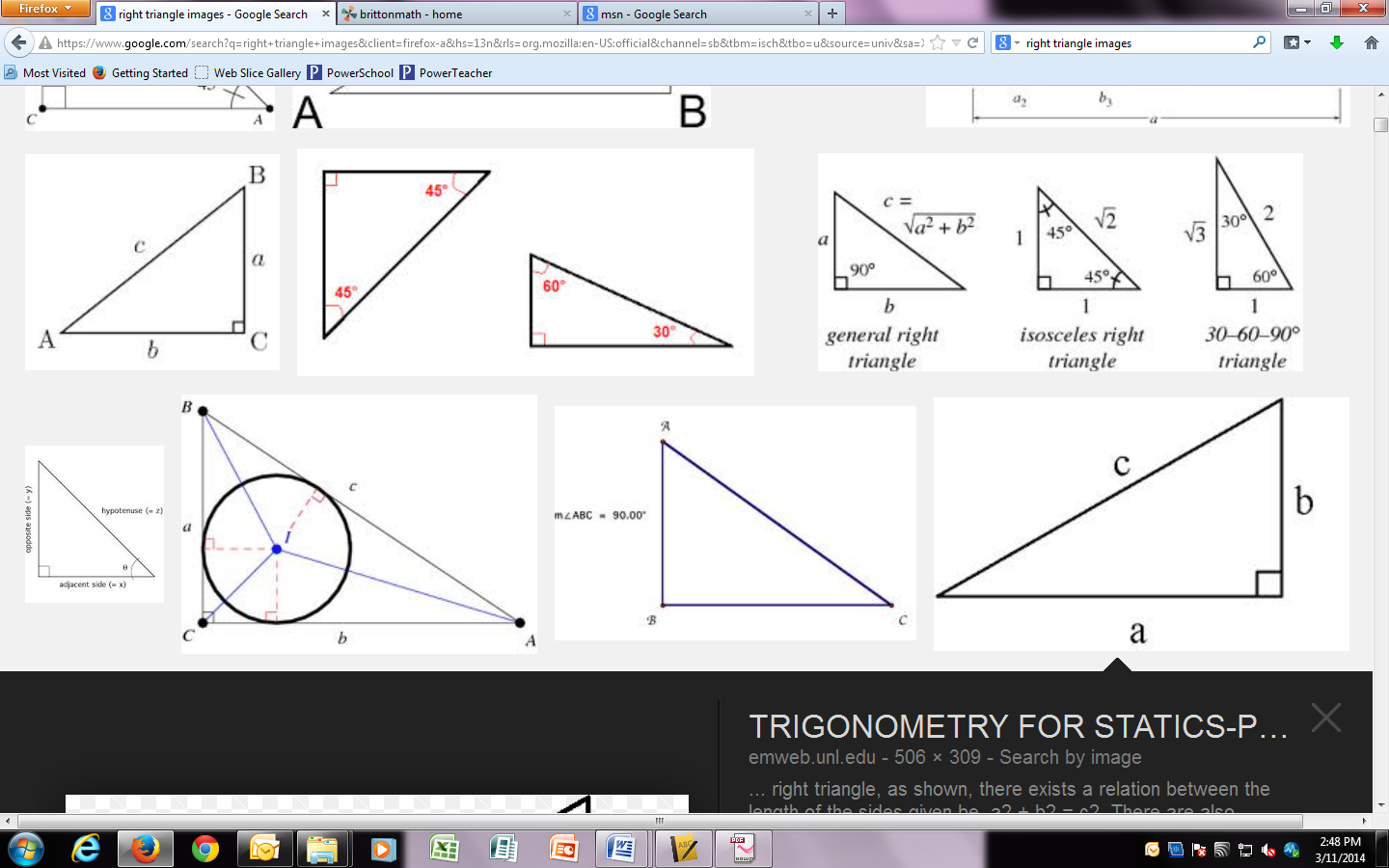
23

25

x

4.

x

3.

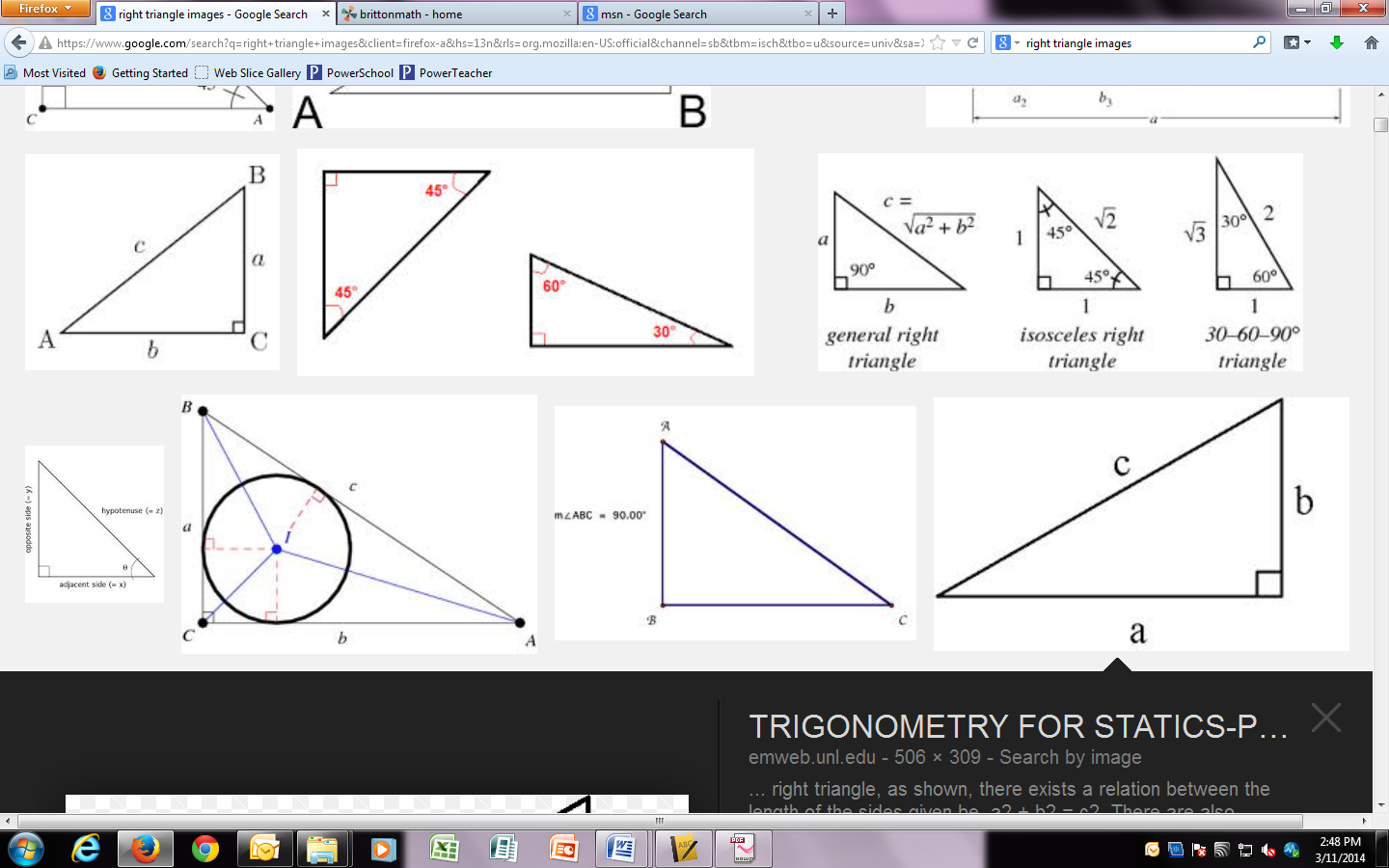
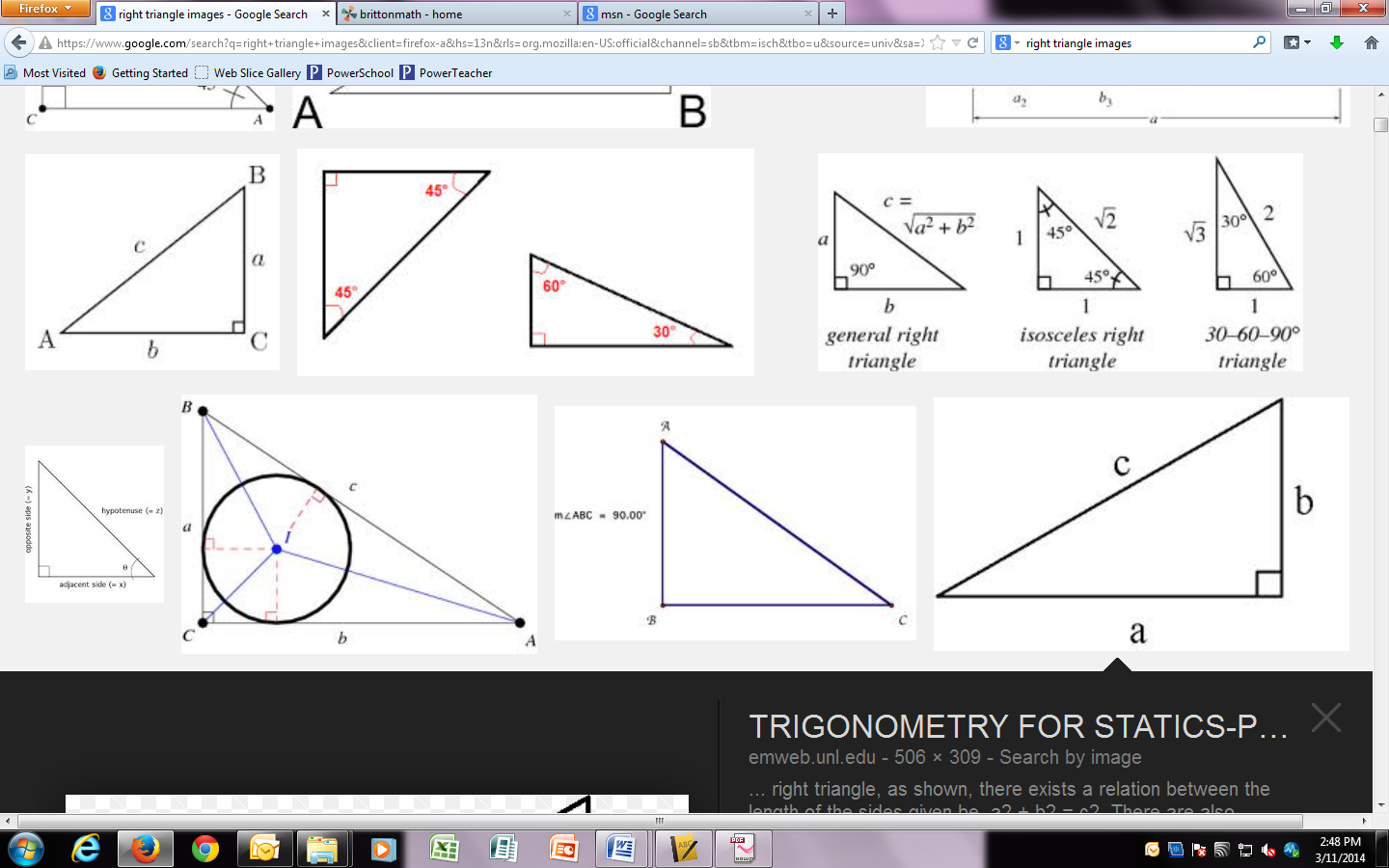
12.8

14.2

24

x

67.3

6.

5.

x

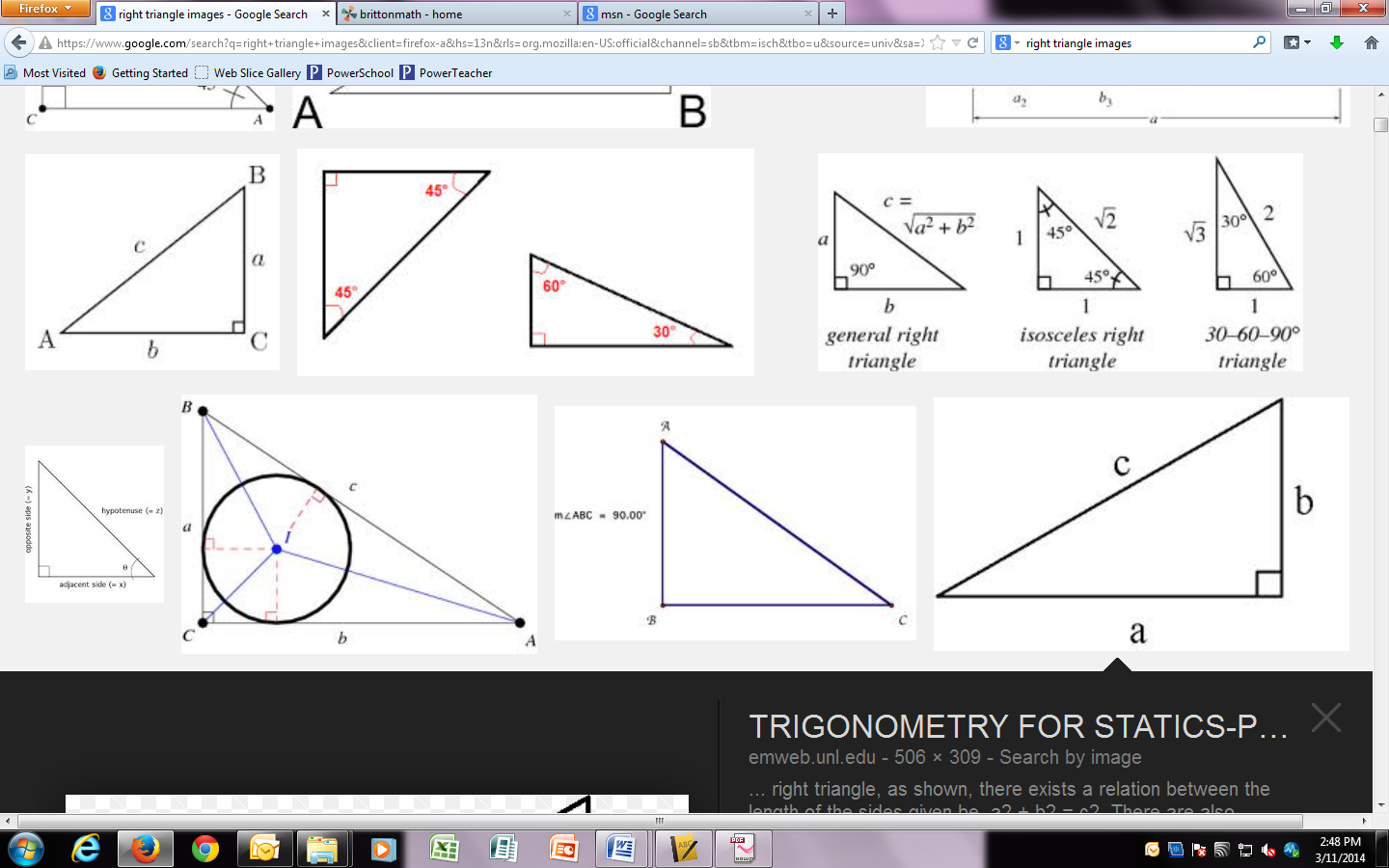
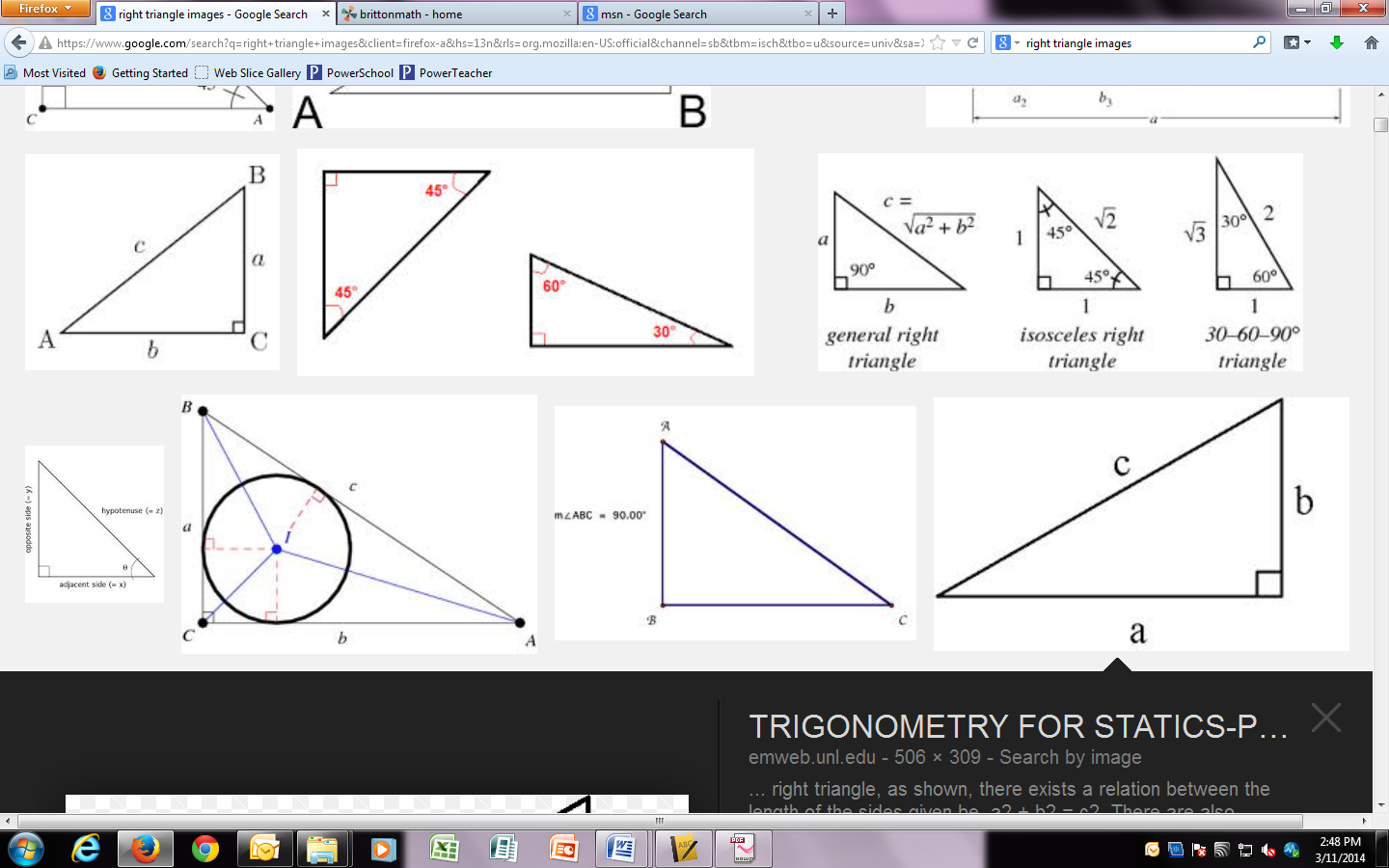
159

27

13

133

x

0.8

8.

7.

x

1.3

7

36

x

**Do the following lengths form a right triangle?**

9. a=3, b=4, c=5 \_\_\_\_\_\_\_\_\_\_\_\_ 10. a=4.8, b=6.3, c=7.92 \_\_\_\_\_\_\_\_\_

11. a=2.1, b=8, c=9 \_\_\_\_\_\_\_\_\_\_\_\_ 12. a=5, b=6, c=7.8 \_\_\_\_\_\_\_\_\_\_\_\_

**To get full points you must draw the picture to diagram the situation, show all work and get the correct answer. Round your answers to the nearest hundredth. *Extra Credit for really creative pictures.***

1. John leaves school to go home. He walks 6 blocks North and then 8 blocks west. How far is John from the school?
2. A 13 feet ladder is placed 5 feet away from a wall. How high up the wall will the ladder be placed?
3. You are standing 30 feet from the base of a 100 foot tall building. How far from the top of the building are you?